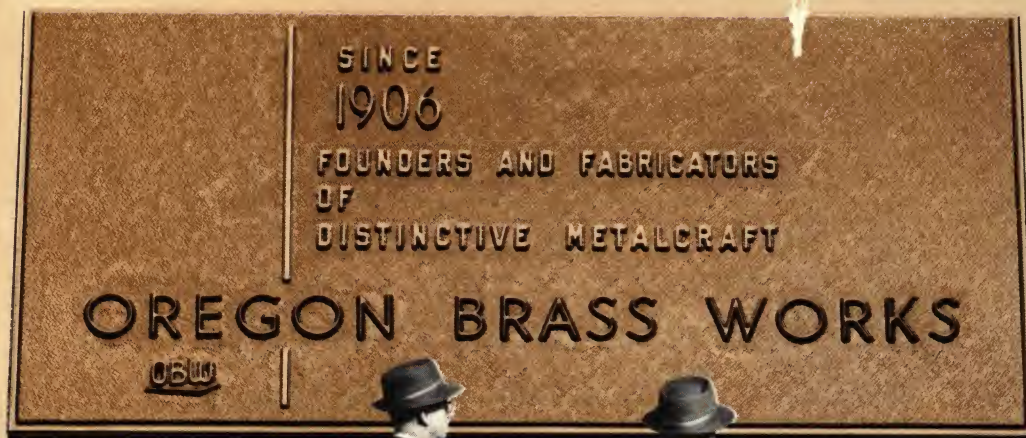


ARCHITECTURAL

# letters tablets

BRONZE · ALUMINUM · BRASS · NICKEL SILVER

A. I. A. FILE NO. 15-R-1



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# LETTERS



## CORRECT METALLURGY FOR PERMANENT IDENTIFICATION

Bronze is one of the world's most beautiful metals—and one of the most durable. Statuary cast by the ancient Greeks and Romans is still sound and beautiful after more than two thousand years.

Such durability is the result of a unique physical property of bronze which causes the formation of hard

oxides on exposed surfaces. This contributes the rich metallic coating which effectively resists attacks of time and the elements.

Aluminum, properly alloyed, is similarly resistant to the elements, and is widely accepted as a permanent decorative metal for architectural letters, plaques and tablets.

## BEAUTIFULLY DESIGNED IN OVAL AND FLAT FACE LETTERS

Letters of Oregon Brass Works are available in both contemporary and traditional styles. To add further variety, most of these styles are designed and manufactured in both oval and flat face, making a total of

sixteen beautiful standard types readily available for your selection.

All curved sided letters are increased in nominal height so as to appear optically correct when adjacent to straight sided letters.

## MANUFACTURED BY CASTING AND FABRICATION

Incorporating the experience of more than a half century of metal-crafting, these letters are produced by casting or fabrication, whichever is more practical for each individual

order. Finish of the letters is done with great care and precision and we welcome a direct comparison with metal letters from any other source and at any price.

## HOW TO DETERMINE HEIGHT AND LENGTH OF LETTERING

*As a general rule, each letter and space between words requires an average width space equal to the letter height. Thus the length of a line of three words containing ten letters and two spaces between words would be approximately twelve times the height of the individual letters.*

To determine the maximum letter height for a given length of lettering, according to this rule of thumb, divide the length by the number of let-

ters, counting each space between words as one letter.

To determine the length of a line of lettering, multiply the number of letters and spaces between words by the height of the letters desired.

The optical spacing principle, an innovation of Oregon Brass Works, has been perfected to assure correctly balanced spacing of letters. Tracing sheets incorporating this principle are available upon request.

## HOW TO ORDER OBW LETTERS

So that your order may be filled to your complete satisfaction, it is necessary that we receive the following information: Style of letter (Low-line, Neubold, etc.); oval or flat face; size of letters; Material (bronze or aluminum); alloy desired; finish de-

sired; type of installation. See page 7 for details.

Unless specified in alternate or special finishes, letters will be furnished in standard finishes as noted on page 7.

bronze & aluminum **LETTERS****LOWLINE****LETTER BARS**

These are flat face single stroke sans-serif letters cast integral with a stippled moss finish bar. Installed as easily as one conventional letter, letter bars are ideal for nameplates, identifications and directional signs. Also available as individual letters. Note: not available in Alloy Z26 and F214 due to metallurgical limitations.



JOHN R. CARTER, M.D.

KIRK B. DAVIS, M.D.

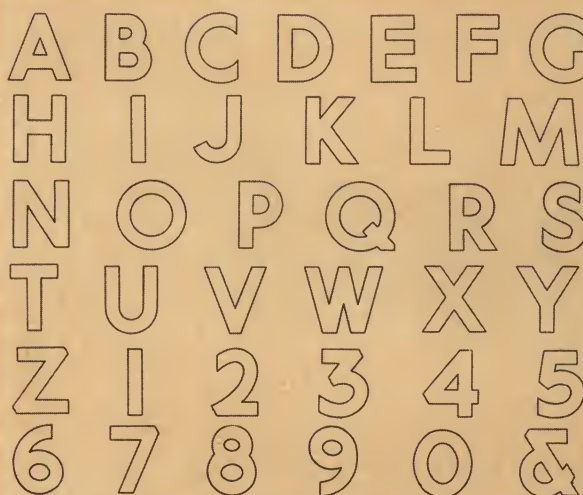
PHYSICIANS &amp; SURGEONS

**DIMENSIONS  
LOWLINE LETTERS**

| Letter Size Height (Inches) | Face Stroke (Inches) | Letter Depth (Inches) | Bar Stroke (Inches) |
|-----------------------------|----------------------|-----------------------|---------------------|
| 1                           | 3/32                 | 3/8                   | 1/2                 |
| 1-1/4                       | 1/8                  | 3/8                   | 1/2                 |
| 1-1/2                       | 5/32                 | 3/8                   | 1/2                 |
| 2                           | 3/16                 | 3/8                   | 1/2                 |
| 2-1/2                       | 3/16                 | 3/8                   | 5/8                 |
| 3                           | 7/32                 | 5/8                   | 5/8                 |
| 4                           | 3/8                  | 5/8                   | 5/8                 |

**NEUBOLD****FLAT FACE ONLY**

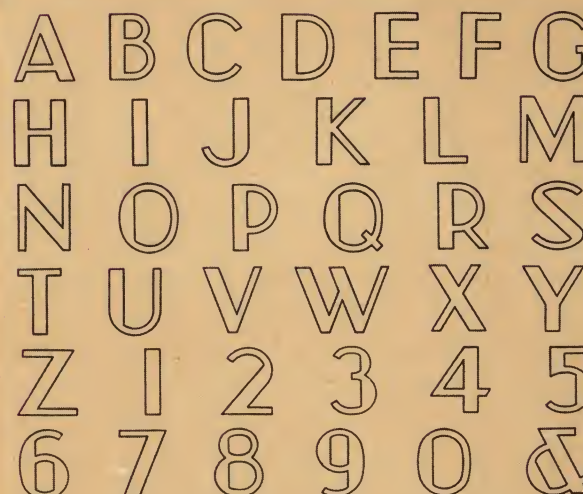
A bold sans serif single stroke letter of dominant character, ever increasing in popularity. Styling is similar to the tried and true Block letter, except it is more contemporary in design.

**DIMENSIONS  
NEUBOLD LETTERS**

| Letter Size Height (Inches) | Face Stroke Width (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 2                           | 7/16                       | 1/2                             |
| 3                           | 5/8                        | 5/8                             |
| 4                           | 13/16                      | 3/4                             |
| 5                           | 1-1/16                     | 7/8                             |
| 6                           | 1-1/4                      | 1                               |
| 7                           | 1-1/2                      | 1-1/8                           |
| 8                           | 1-11/16                    | 1-1/4                           |
| 9                           | 1-7/8                      | 1-3/8                           |
| 10                          | 2-1/8                      | 1-1/2                           |
| 12                          | 2-1/2                      | 1-3/4                           |
| 14                          | 3                          | 2                               |
| 15                          | 3-1/8                      | 2-3/16                          |
| 16                          | 3-3/8                      | 2-3/8                           |
| 18                          | 3-3/4                      | 2-3/4                           |
| 20                          | 4-1/4                      | 2-7/8                           |
| 24                          | 5                          | 3                               |

**BROADWAY****FLAT FACE**

This alphabet is a modern adaptation of the sans-serif letter which combines accentuated thick and thin strokes to achieve a novel, bold appearance. The strength of the letter is in its simplicity which contributes freshness to all types of architecture.

**BROADWAY****OVAL FACE****DIMENSIONS  
BROADWAY LETTERS**

| Letter Size Height (Inches) | Width Face Stroke (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 5/16                       | 3/16                            |
| 2                           | 7/16                       | 3/16                            |
| 2-1/2                       | 1/2                        | 3/16                            |
| 3                           | 5/8                        | 7/32                            |
| 4                           | 13/16                      | 1/4                             |
| 5                           | 1-1/16                     | 1/4                             |
| 6                           | 1-1/4                      | 9/32                            |
| 7                           | 1-7/16                     | 5/16                            |
| 8                           | 1-11/16                    | 5/16                            |
| 9                           | 1-7/8                      | 5/16                            |
| 10                          | 2-1/16                     | 3/8                             |
| 12                          | 2-1/2                      | 3/8                             |
| 14                          | 2-13/16                    | 9/16                            |
| 15                          | 3-1/8                      | 9/16                            |
| 16                          | 3-7/16                     | 5/8                             |
| 18                          | 3-3/4                      | 11/16                           |
| 20                          | 4-3/16                     | 3/4                             |
| 24                          | 5                          | 7/8                             |

Width of thin stroke equals 50% of wide stroke.

# LETTERS

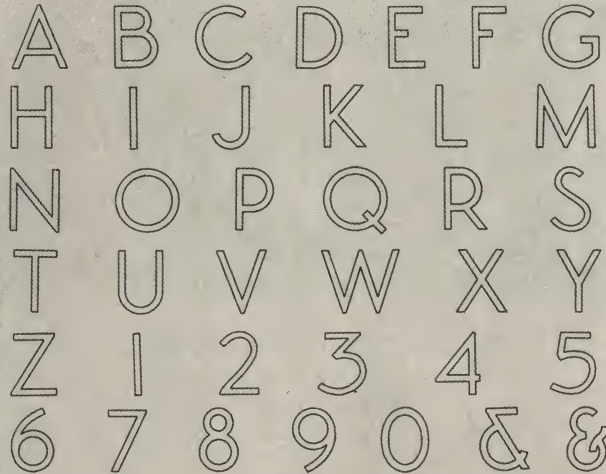
**YUKON** 

OVAL FACE

This is a fresh new bold ribbon style of excellent visibility with a heavy face stroke and emphasized depth. When viewed from the side, the depth of letters produces dramatic shadow effects.

**YUKON** 

FLAT FACE



**DIMENSIONS  
YUKON LETTERS**

| Letter Size Height (Inches) | Face Stroke Width (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 7/32                       | 23/32                           |
| 2                           | 1/4                        | 3/4                             |
| 2-1/2                       | 9/32                       | 25/32                           |
| 3                           | 5/16                       | 27/32                           |
| 4                           | 11/32                      | 15/16                           |
| 5                           | 3/8                        | 1                               |
| 6                           | 7/16                       | 1-3/32                          |
| 7                           | 15/32                      | 1-3/16                          |
| 8                           | 1/2                        | 1-1/4                           |
| 9                           | 17/32                      | 1-11/32                         |
| 10                          | 9/16                       | 1-13/32                         |
| 12                          | 5/8                        | 1-19/32                         |
| 14                          | 11/16                      | 1-3/4                           |
| 15                          | 23/32                      | 1-13/16                         |
| 16                          | 3/4                        | 1-29/32                         |
| 18                          | 13/16                      | 2-1/16                          |
| 20                          | 29/32                      | 2-7/32                          |
| 24                          | 1-1/16                     | 2-17/32                         |

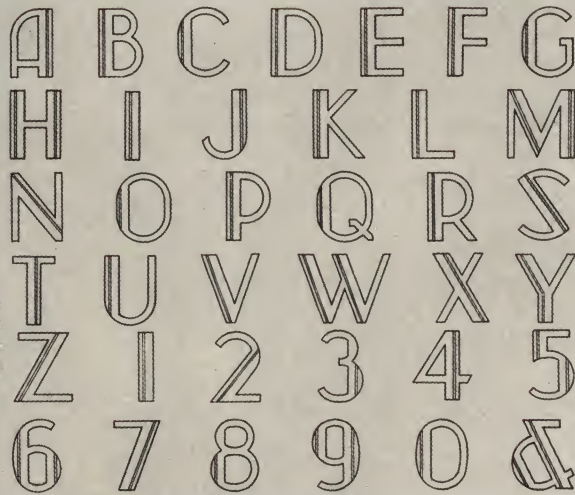
**FIFTH AVENUE** 

OVAL FACE

This letter is similar to the Broadway, with novelty added by a style line groove which appears on the flat face letters in sizes 4 inches and larger. Oval face in all sizes and flat face letters smaller than 4 inches do not have the style line grooves.

**FIFTH AVENUE** 

FLAT FACE



**DIMENSIONS  
FIFTH AVENUE LETTERS**

| Letter Size Height (Inches) | Width Face Stroke (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 5/16                       | 3/16                            |
| 2                           | 7/16                       | 3/16                            |
| 2-1/2                       | 1/2                        | 3/16                            |
| 3                           | 5/8                        | 7/32                            |
| 4                           | 13/16                      | 1/4                             |
| 5                           | 1-1/16                     | 1/4                             |
| 6                           | 1-1/4                      | 9/32                            |
| 7                           | 1-7/16                     | 5/16                            |
| 8                           | 1-11/16                    | 5/16                            |
| 9                           | 1-7/8                      | 5/16                            |
| 10                          | 2-1/16                     | 3/8                             |
| 12                          | 2-1/2                      | 3/8                             |
| 14                          | 2-13/16                    | 9/16                            |
| 15                          | 3-1/8                      | 9/16                            |
| 16                          | 3-7/16                     | 5/8                             |
| 18                          | 3-3/4                      | 11/16                           |
| 20                          | 4-3/16                     | 3/4                             |
| 24                          | 5                          | 7/8                             |

Width of thin stroke equals 50% of wide stroke.

**ROMAN** 

OVAL FACE

Classical in styling, the Roman alphabet has been the most widely used of all letters. It is distinguished by a graceful combination of thick and thin face strokes, and is particularly appropriate where a traditional effect is desired.

**ROMAN** 

FLAT FACE



**DIMENSIONS  
ROMAN LETTERS**

| Letter Size Height (Inches) | Width Face Stroke (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 5/32                       | 5/32                            |
| 2                           | 7/32                       | 5/32                            |
| 2-1/2                       | 1/4                        | 3/16                            |
| 3                           | 9/32                       | 7/32                            |
| 4                           | 7/16                       | 1/4                             |
| 5                           | 1/2                        | 5/16                            |
| 6                           | 19/32                      | 5/16                            |
| 7                           | 11/16                      | 5/16                            |
| 8                           | 13/16                      | 3/8                             |
| 9                           | 29/32                      | 3/8                             |
| 10                          | 1                          | 7/16                            |
| 12                          | 1-3/16                     | 1/2                             |
| 14                          | 1-3/8                      | 1/2                             |
| 15                          | 1-1/2                      | 9/16                            |
| 16                          | 1-5/8                      | 9/16                            |
| 18                          | 1-13/16                    | 5/8                             |
| 20                          | 2                          | 11/16                           |
| 24                          | 2-3/8                      | 7/8                             |

Width of thin stroke equals 62% of wide stroke.

# bronze & aluminum LETTERS

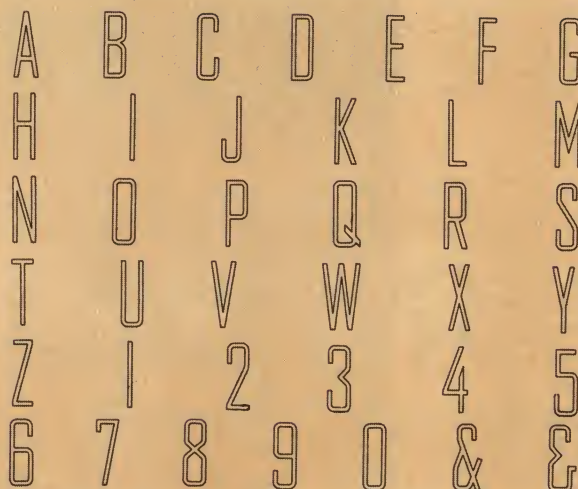
**MONTAVILLA** 

FLAT FACE

This condensed ribbon type allows the use of larger letters for a given horizontal distance than is possible with any other style. Can be used with Yukon style to achieve an interesting contrast effect.

**MONTAVILLA** 

OVAL FACE



**DIMENSIONS  
MONTAVILLA LETTERS**

| Letter Size Height (Inches) | Face Stroke Width (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 1/8                        | 5/16                            |
| 2                           | 1/8                        | 3/8                             |
| 2-1/2                       | 5/32                       | 7/16                            |
| 3                           | 3/16                       | 1/2                             |
| 4                           | 1/4                        | 11/16                           |
| 5                           | 5/16                       | 13/16                           |
| 6                           | 3/8                        | 1                               |
| 7                           | 7/16                       | 1-3/16                          |
| 8                           | 1/2                        | 1-5/16                          |
| 9                           | 9/16                       | 1-1/2                           |
| 10                          | 5/8                        | 1-11/16                         |
| 12                          | 3/4                        | 2                               |
| 14                          | 7/8                        | 2-1/8                           |
| 15                          | 15/16                      | 2-3/16                          |
| 16                          | 1                          | 2-1/4                           |
| 18                          | 1-1/8                      | 2-1/2                           |
| 20                          | 1-1/4                      | 2-3/4                           |
| 24                          | 1-1/2                      | 3                               |

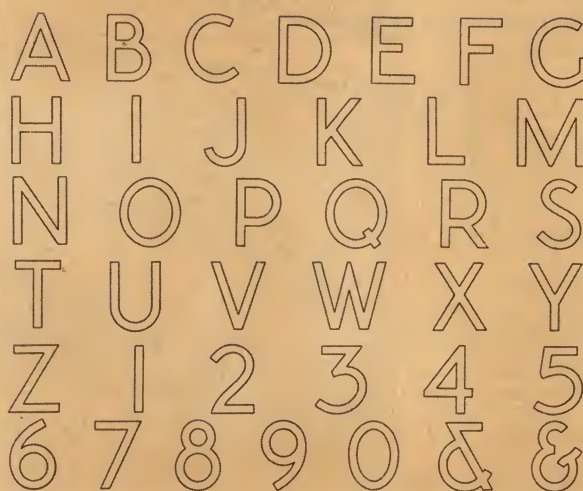
**BLOCK** 

FLAT FACE

Beautifully proportioned, simple and masculine in appearance, and unexcelled for legibility, the Block letter is adaptable and appropriate for almost any inscription. Like the Roman letter, it remains in style despite changing theories of design.

**BLOCK** 

OVAL FACE



**DIMENSIONS  
BLOCK LETTERS**

| Letter Size Height (Inches) | Face Stroke Width (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 3/16                       | 3/16                            |
| 2                           | 1/4                        | 3/16                            |
| 2-1/2                       | 5/16                       | 1/4                             |
| 3                           | 3/8                        | 1/4                             |
| 4                           | 1/2                        | 11/32                           |
| 5                           | 5/8                        | 7/16                            |
| 6                           | 3/4                        | 1/2                             |
| 7                           | 7/8                        | 19/32                           |
| 8                           | 1                          | 11/16                           |
| 9                           | 1-1/8                      | 3/4                             |
| 10                          | 1-1/4                      | 7/8                             |
| 12                          | 1-1/2                      | 1                               |
| 14                          | 1-3/4                      | 1-3/16                          |
| 15                          | 1-7/8                      | 1-1/4                           |
| 16                          | 2                          | 1-3/8                           |
| 18                          | 2-1/4                      | 1-1/2                           |
| 20                          | 2-1/2                      | 1-3/4                           |
| 24                          | 3                          | 2                               |

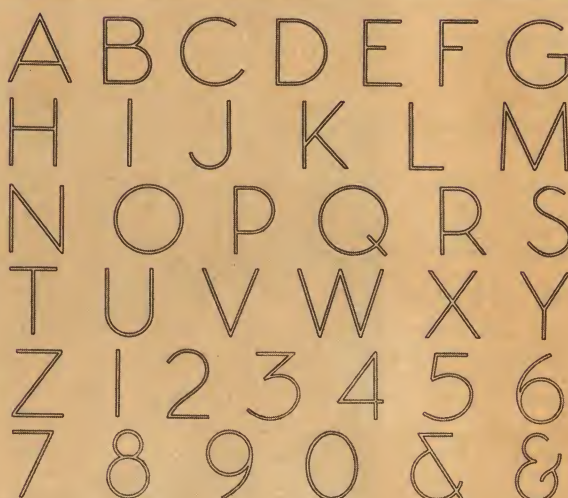
**LYNWOOD** 

FLAT FACE

A light Ribbon type letter having a narrow stroke and emphasized depth, giving the effect of having been fashioned of thin ribbons of metal standing on edge. As with the Yukon and Montavilla styles, the depth of letters produces dramatic shadow effects.

**LYNWOOD** 

OVAL FACE



**DIMENSIONS  
LYNWOOD LETTERS**

| Letter Size Height (Inches) | Face Stroke Width (Inches) | Letter Depth Thickness (Inches) |
|-----------------------------|----------------------------|---------------------------------|
| 1-1/2                       | 1/8                        | 1/2                             |
| 2                           | 5/32                       | 5/8                             |
| 2-1/2                       | 3/16                       | 3/4                             |
| 3                           | 3/16                       | 3/4                             |
| 4                           | 3/16                       | 3/4                             |
| 5                           | 1/4                        | 1                               |
| 6                           | 1/4                        | 1                               |
| 7                           | 1/4                        | 1-1/4                           |
| 8                           | 1/4                        | 1-1/4                           |
| 9                           | 1/4                        | 1-1/4                           |
| 10                          | 5/16                       | 1-1/2                           |
| 12                          | 5/16                       | 1-1/2                           |
| 14                          | 5/16                       | 1-1/2                           |
| 15                          | 3/8                        | 2                               |
| 16                          | 3/8                        | 2                               |
| 18                          | 3/8                        | 2                               |
| 20                          | 3/8                        | 2-1/2                           |
| 24                          | 3/8                        | 2-1/2                           |
| 30                          | 1/2                        | 3                               |

## Special Letters

In addition to the sixteen letter styles illustrated, Oregon Brass Works also produces custom designed letters to create unusual effects desired by architects and designers. With all facilities from the drafting board to final finishing under one roof, we are able to follow faithfully the full size detail drawings supplied us by the designer.

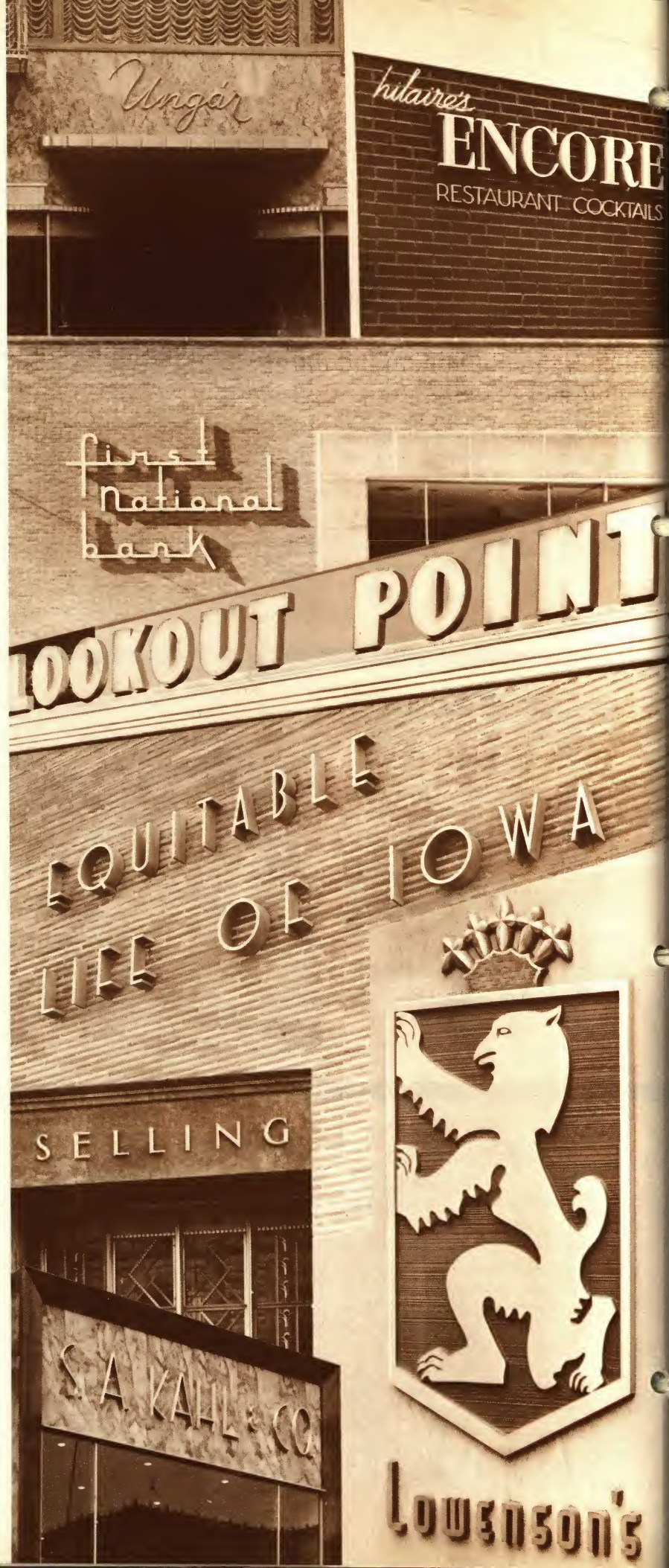
Some letter styles may be produced in stainless steel. However the limitations of this metal are such that it does not lend itself to production in all sizes or in some of the other styles. Special inquiry should be made before commitment.

### *Cost of Special Letters*

Special letters may be produced either by casting or fabrication, depending upon the character of the design. Cost of special shape fabricated letters is generally comparable to standard shape fabricated letters of the same size and section, and varies from the standard roughly in proportion to the difference in size and sectional dimensions. The same rule applies to cast letters, except that the cost of special patterns must of course also be added.

You are invited to consult us about special letters or related subjects. Our extensive experience enables us to determine the most practical way of achieving the results you desire.

When ordering special letters, please forward explanatory drawings indicating design, sections and size, specifying material, finish and mounting desired.



# bronze & aluminum LETTERS

In the manufacture of metallic letters, especially aluminum, it is highly important to know in advance of any unusual atmospheric or other conditions. This is necessary in order to select the proper alloy and final finish best suited to these particular conditions. The standard finishes listed below are suitable for most uses. In the case of extreme conditions caused by salt air or industrial fumes, consult our metallurgists and engineering specialists.

As one of the many copper base alloys, bronze is subject to normal, natural aging process and when exposed to the atmosphere and elements with no protective coating, a gradual darkening and deepening of color occurs. Over a period of years it will turn to a dark, rich brown metallic shade. This is natural and normal, and is not to be misconstrued as even the slightest deterioration.

**BRONZE STD.**  
(NS-2CBL)  
Satin bright face and  
dark statuary moss sides



**BRONZE G**  
(NS-NSL)  
Satin bright face,  
bright ground sides



**BRONZE R**  
1CB-2CBL  
Statuary dull moss finish  
all over



**ALUMINUM STD.**  
(NS-NBL)  
Satin bright face and  
dull moss sides



**ALUMINUM G**  
(NS-NSL)  
Satin bright face and  
bright ground sides



**ALUMINUM D**  
(NS-EBL)  
Satin bright face and  
lacquer enamel color  
sides



## BRONZE ALLOYS

Our standard bronze alloy is T6, a natural red-gold bronze color of excellent appearance and physical properties.

Alternate alloys listed below are available upon special request only and at an increase in cost. They are sometimes used when unusual color contrasts are preferred. In natural color, they are:

"Yellow Brass," Alloy Z26, definitely yellowish in metallic tone.

"Gold Bronze," Alloy Z12, a soft, rich gold color between the yellow of yellow brass and the red of bronze.

"Nickel Silver," Alloy N15, a silver white with an amber tint having a depth akin to bronze.

## BRONZE FINISHES

The natural aging process of bronze can be retarded through the use of a protective coating. For that reason all bronze letters, unless requested otherwise, are furnished with several coats of high grade clear lacquer. The standard finishes listed below are recommended. These take advantage of the natural characteristics of the metal, and have been uniformly successful in applications all over the country under all kinds of service conditions.

| Material                                               | Alloy | Finish   | Description                                               |
|--------------------------------------------------------|-------|----------|-----------------------------------------------------------|
| Standard Finish (furnished unless otherwise specified) |       |          |                                                           |
| Bronze Std                                             | T6    | NS-2CBL  | Satin bright face, dark statuary moss sides, lacquered.   |
| Alternate Finishes (available only if specified)       |       |          |                                                           |
| Bronze G                                               | T6    | NS-NSL   | Satin bright face, bright ground sides, lacquered.        |
| Bronze T                                               | T6    | 1CS-2CBL | Statuary satin face, dark statuary moss sides, lacquered. |
| Bronze R                                               | T6    | 1CB-2CBL | Statuary dull moss finish all over, lacquered.            |
| Bronze D                                               | T6    | NS-EBL   | Satin bright face, lacquer enamel color sides, lacquered. |
| Bronze E                                               | T6    | EB-EBL   | Lacquer enamel color, face and sides.                     |

## ALUMINUM ALLOYS

For all general purposes alloy 43 is the most satisfactory as well as most economical. This is a high silicon alloy with excellent corrosion and stain resistant qualities. Where added resistance to the elements is required, the aluminized treatment is recommended. This is an electrolytic process which creates a dense adherent coating of aluminum oxide upon the metal surface, providing effective resistance to atmospheric attack. To achieve this, however, an alloy is required which is suitable to the aluminizing process. Thus, the end use or treatment determines in a great measure the alloy selection.

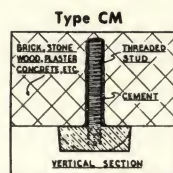
| Material                                               | Alloy | Finish | Description                                               |
|--------------------------------------------------------|-------|--------|-----------------------------------------------------------|
| Standard Finish (furnished unless otherwise specified) |       |        |                                                           |
| Aluminum Std.                                          | 43    | NS-NBL | Satin bright face, natural dull moss sides, lacquered.    |
| Alternate Finishes (available only if specified)       |       |        |                                                           |
| Aluminum H                                             | F214  | NS-NBA | Standard finish, aluminized.                              |
| Aluminum G                                             | 43    | NS-NSL | Satin bright face, bright ground sides, lacquered.        |
| Aluminum M                                             | F214  | NS-NSA | Satin bright face, bright ground sides, aluminized.       |
| Aluminum D                                             | 43    | NS-EBL | Satin bright face, lacquer enamel color sides, lacquered. |
| Aluminum E                                             | 43    | EB-EBL | Lacquer enamel color, face and sides.                     |

Other special finishes and textures, both bronze and aluminum are possible to suit specific requirements as sent in to us. Prices on application.

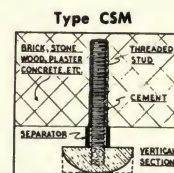
## STANDARD LACQUER ENAMELS FOR COLORED SIDES

To emphasize the third dimension of flat face letters, the sides sometimes are coated in a contrasting color. DuPont "Duco" automotive colors have proved satisfactory under most conditions, and are available in any standard "Duco" color. Matched colors are available at some increase in cost. When such colors are desired, an exact color sample covering an area of one square foot should be furnished to us.

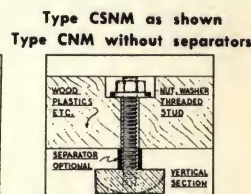
## INSTALLATION OF LETTERS



CONCEALED MOUNTING



CONCEALED MOUNTING  
WITH SEPARATOR



CONCEALED MOUNTING  
WITH REAR ACCESS

All Oregon Brass Works letters are made for concealed mounting. Face mounting is also available, but is seldom recommended because it tends to deface the letters.

To obtain best results in installing OBW letters with concealed mounting, we recommend strict compliance with our standard mounting procedure instruction sheet. These are gladly furnished upon request; or if so specified they can be furnished with letter shipment.

## SUGGESTED SPECIFICATIONS FOR LETTERS

**Short Specifications (under Building Specialty section.)** "The contractor shall allow and include in his bid the sum of \$\_\_\_\_\_ for the purchase of the Bronze [or Aluminum] letters and install same as directed by the architect."

*Note: We welcome the opportunity to cooperate in furnishing such above allowance sums for insertion in your specifications. The Architect or Designer thus retains complete control, and is assured the finest quality of metallurgy and workmanship.*

## Simplified Specifications (under Building Specialty section.)

"\_\_\_\_\_ Metal letters where shown or listed shall be (Aluminum, Bronze, etc.) \_\_\_\_\_ style, \_\_\_\_\_ inches high, as

manufactured by Oregon Brass Works, 1127 S. E. 10th Avenue, Portland 14, Oregon. Letters to be of stroke and depth in strict accordance

to that listed by this manufacturer. Finish shall be \_\_\_\_\_ (specify finish)

Alloy shall be that recommended by this manufacturer as the most suitable for lasting results relative to finish specified. Manufacturing processes, either cast or fabricated, shall be in strict accordance with standards of the National Association of Ornamental Metal Manu-

facturers. Mounting shall be type \_\_\_\_\_. Scale [full scale] installation spacing layout will be furnished by Architect to letter contractor, for erection. [Alternate: Required of letter contractor, and must be submitted for approval before erection.]"

# Nameplates & Cornerstone Tablets

**Fig. 401**—Ribbon Flat Face Letters—Medium Pebble Texture—Standard Border No. 5—Horizontal Shape—Concealed Mounting.

**Fig. 402** — Special Script Letters — Medium Pebble Texture—Special Border — Horizontal Shape — Concealed Mounting.

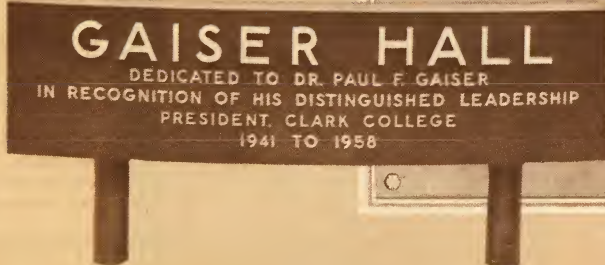
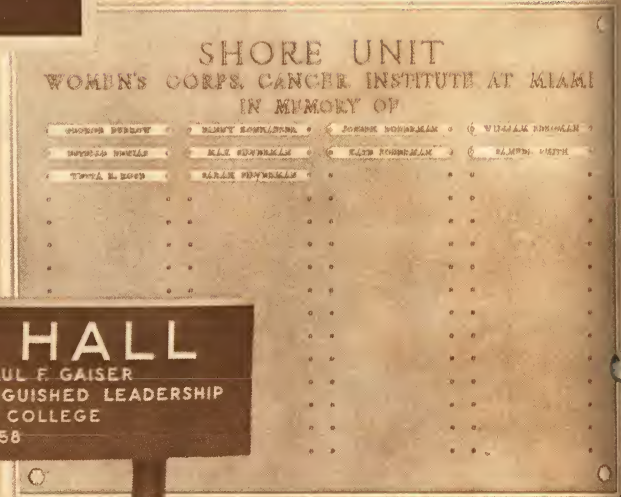
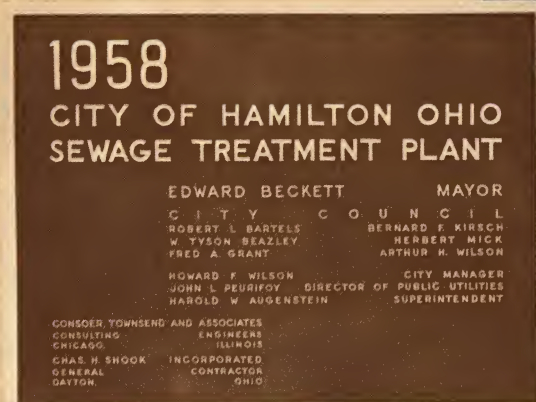
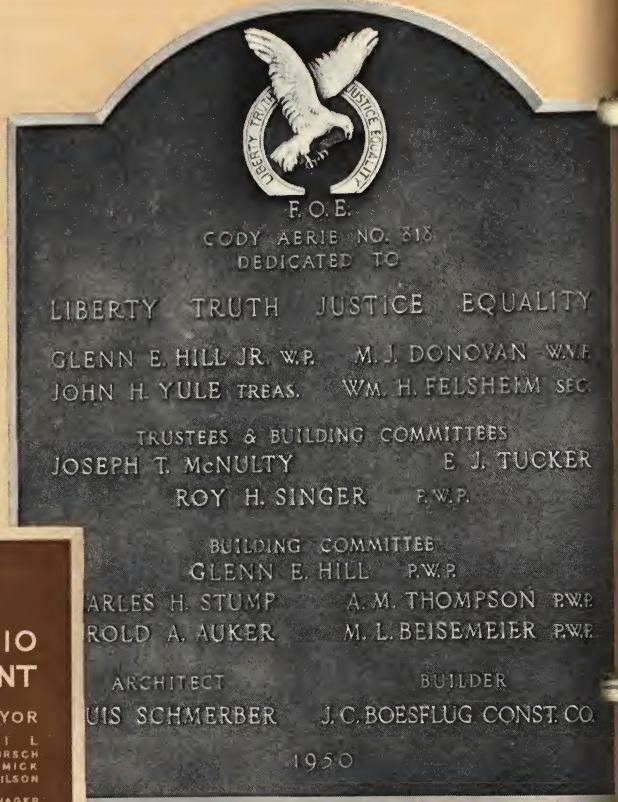
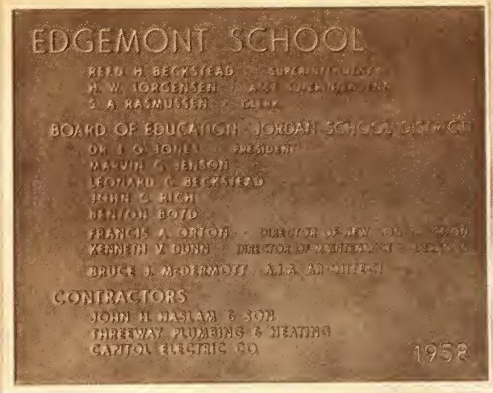
**Fig. 403**—Block Flat Face Letters—Leatherette Texture — Special Raised Border — Special Shape — Concealed Mounting.

**Fig. 404**—Architectural Oval Face Letters — Medium Pebble Texture —Standard Border No. 2—Special Vertical Shape—Concealed Mounting.

**Fig. 405**—Block Flat Face Letters with Special Numerals — Medium Pebble Texture—Modified Border No. 2 — Horizontal Shape — Concealed Mounting.

**Fig. 406**—Architectural Oval Face Letters—Medium Pebble Texture —Standard Border No. 6 — Horizontal Shape—Face Mounting.

**Fig. 407**—Block Flat Face Letters—Moss as Cast Finish—No Border—Special Shape—Special Mounting.



# Memorial plaques Sculptured plaques

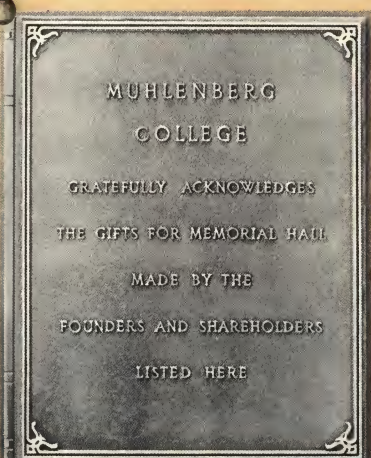


**Fig. 408**—Architectural Oval Face Letters—Leatherette Texture—Standard Border No. 3—Special Shape—Concealed Mounting.

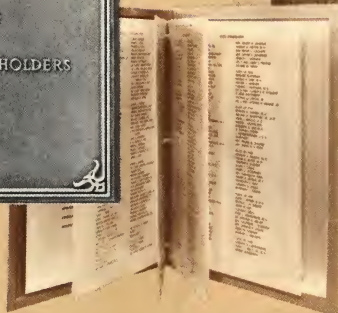


**Fig. 409**—Architectural Oval Face Letters—Special Texture—Special Borders—Vertical Shape, hinged for book-type opening to reveal inner pages.

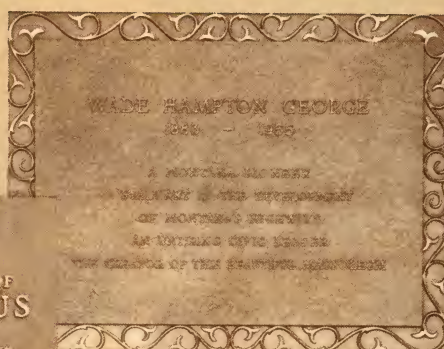


**Fig. 410**—Heroic Oval Face Letters—Leatherette and Special Textures—Special Border—Horizontal Shape—Concealed Mounting.

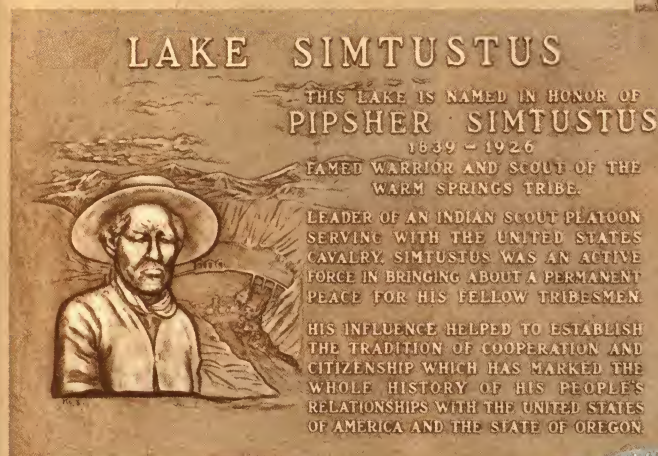


**Fig. 411**—Runic Flat Face Letters—Sculptured Texture—No Border—Horizontal Shape—Concealed Mounting.



**Fig. 412**—Special Flat Face Letters—Medium Pebble Texture—Special Border—Circular Shape—Concealed Mounting.



**Fig. 413**—Sculptured Letters and Texture—Circular Shape—Concealed Mounting.

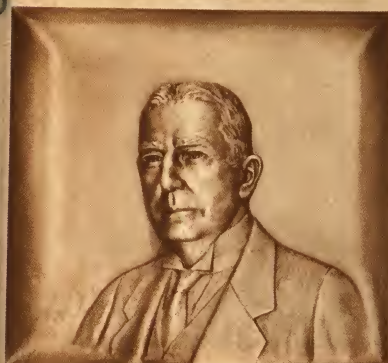
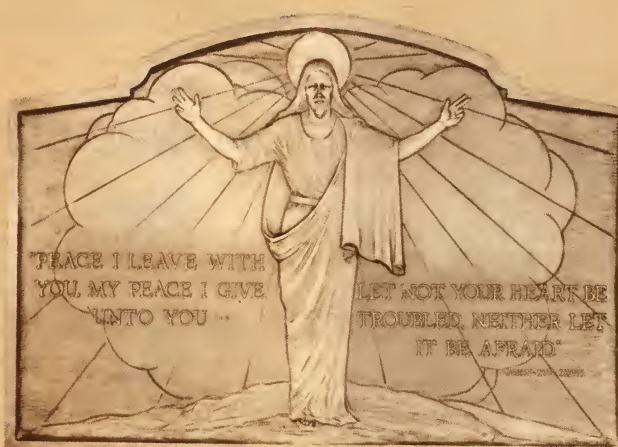


**Fig. 414**—Special Sculptured Letters and Texture—Special Border—Vertical Shape—Concealed Mounting.



**Fig. 415**—Heroic Oval Face Letters—Sculptured Texture—No Border—Special Shape—Concealed Mounting.



## Pantograph Plates

Pantograph machine cut lettering is incised in prepared plates of aluminum or bronze in a variety of standard reduction sizes ranging from approximately  $\frac{1}{8}$  inch to  $1\frac{3}{4}$  inches in height. They are especially desirable when the letter height is less than  $\frac{5}{16}$  inch, and are frequently used for inscriptions on trophy cases or for gift identifications.

Lettering may be bright on plates of dark statuary bronze and dark aluminum, or dark lettering on light bronze and light aluminum plates. With the exception of freehand writing effects, lettering style of pantograph plates is restricted to the block adaptations shown in the accompanying illustrations.

In ordering pantograph plates please give size of plate, exact wording of inscription, finish of plate and letters, and kind of mounting desired.



Fig. 416—Light lettering on dark statuary plate.

Fig. 417 — Reproduction of hand writing in combination with regular lettering style. Letters are finished dark on light bronze with dark statuary bronze corners.

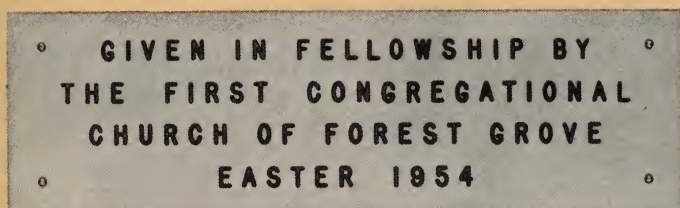


Fig. 418—Dark lettering on light aluminum plate.

## Specification Data

### Colors and Finishes

#### NS-1CBL LIGHT STATUARY BRONZE

Recommended for interiors, also for exterior use if gradual darkening is not objectionable.

#### NS-2CBL DARK STATUARY BRONZE

Recommended for exterior use. Akin to the rich brown color created by the natural aging process.

#### NS-NBL LIGHT ALUMINUM

Neutral in character, therefore recommended for use with contrasting backgrounds either in or out of doors.

#### NS-ICBL DARK ALUMINUM

Recommended for a metallic depth of aluminum color background for contrast.



### Surface Textures

To establish the relation between surface texture and letter size, raised letters on the panels below were  $\frac{3}{4}$  inch in height.

#### FINE PEBBLE

Recommended only for plates and tablets of not more than 150 square inches. On larger surfaces the pebble texture background tends to become indistinct, with consequent loss of quality.

#### MEDIUM PEBBLE

Most popular texture, suitable for almost any use. Provides appearance of added background depth. Also available in reverse pebble texture.

#### LEATHERETTE

Suitable for most uses. A distinctive texture for rich background contrast.

#### MOSS AS CAST

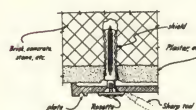
A cast-in texture with dull, flat surface and finished to retain some of the rough foundry characteristics. Not recommended for surfaces of more than 300 square inches.

#### MOSS SATIN

Primarily for plaques with applied letters. Limited in use and most expensive texture because of handwork involved.



### Installation Methods

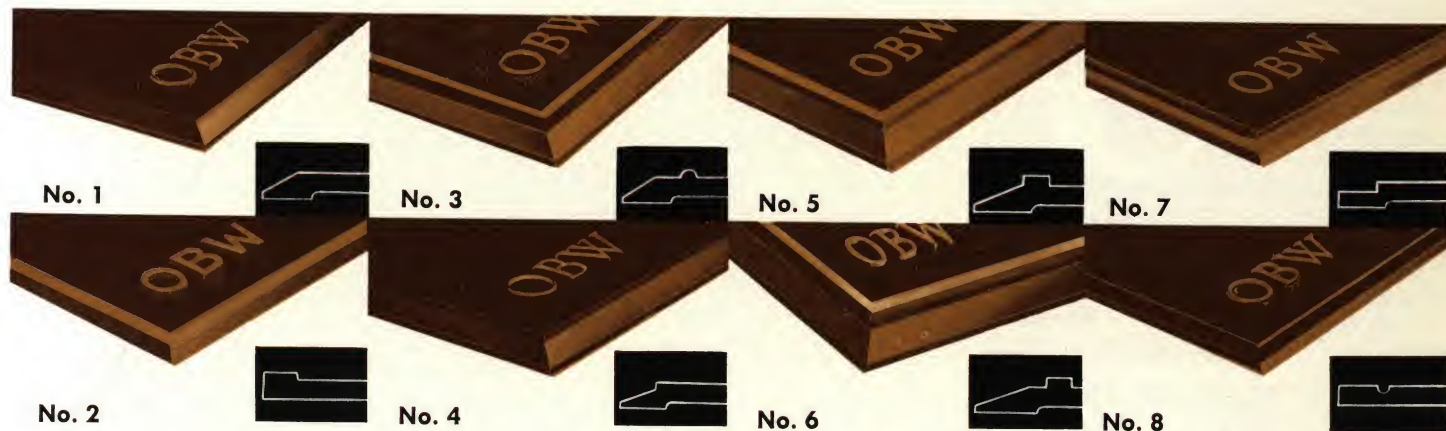


**Concealed Mounting:** Recommended for most tablets, and by far the most popular method of mounting. Absence of any visible means of fastening discourages vandalism or souvenir collections. Concealed Installation Instruction Sheets gladly furnished upon request, and included with every tablet shipped.

**Face Mounting:** A secondary method used when concealed method is not practical or feasible due to structural or other considerations. Depending upon type of wall or surface, wood screws, toggle bolts or machine screws may be used with decorative cover rosettes. Face Mounting Installation Instruction Sheets gladly furnished upon request, and included with every tablet shipped.

# for Tablets, Plaques and Plates

## Standard Border Types



Distinctive plaques are careful combinations of enduring rich metals, expert craftsmanship, and artistic blending of letters and borders. Styles shown below are standard border types immediately available in either bronze or aluminum at no extra cost.

For special borders, please submit sketches or discuss your desires with one of our experienced designers.

## Standard Letter Styles

### Architectural Oval Face

Sizes  $5/16"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ ,  $1 3/4"$ ,  $2"$ ,  $2 1/2"$ ,  $3"$ .

### Heroic Oval Face

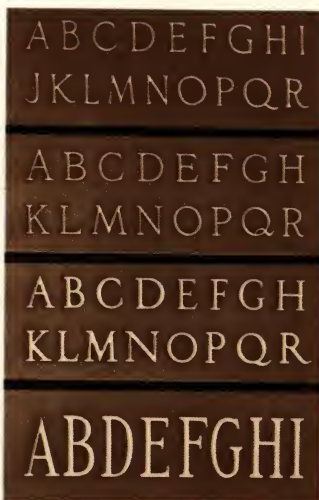
Sizes  $1/4"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ ,  $1 3/4"$ ,  $2"$ ,  $2 1/2"$ .

### Classic Flat Face

Sizes  $1/4"$ ,  $5/16"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ ,  $1 3/4"$ ,  $2"$ ,  $2 1/2"$ ,  $3"$ .

### Condensed Flat Face

Sizes  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ ,  $1 3/4"$ ,  $2"$ ,  $2 1/2"$ ,  $3"$ .



### Runic Flat Face

Sizes  $1/4"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ ,  $1 3/4"$ ,  $2"$ ,  $2 1/2"$ ,  $3"$ .

### Block Flat Face

Sizes  $5/16"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ ,  $1 3/4"$ ,  $2"$ ,  $2 1/2"$ ,  $3"$ .

### Gothic Oval Face

Sizes  $1/4"$ ,  $5/16"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $7/8"$ ,  $1"$ ,  $1 1/4"$ .

### Ribbon Flat Face

Sizes  $1/4"$ ,  $5/16"$ ,  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ ,  $1"$ ,  $1 1/4"$ ,  $1 1/2"$ .



The eight attractive letter styles shown below are available for bronze and aluminum tablets at no extra cost. Desired contrasts can be accomplished by using various sizes and styles in combination.

Special letter styles are also available at slight extra cost. A tablet letter style folder may be obtained upon request. For spacing, the rule of thumb applies—each letter and space between words requires a horizontal distance approximately equal to the size of the letters, subject to the plus or minus factor noted in the folder.

## Specifications:

**Short Specifications** (under Building Specialty section). "The contractor shall allow and include in his bid the sum of \$\_\_\_\_\_ for the purchase of the Bronze [Aluminum] tablet, and install same as directed by the Architect."

**Note:** We welcome the opportunity to operate in furnishing such above allowance sums for insertion in your specifications. In this way the Architect or Designer retains complete control, and is assured the finest quality of metal-lurgy and workmanship.

**Simplified Specifications** (under Building Specialty section). "The contractor shall furnish and install \_\_\_\_\_ Bronze [Aluminum] tablet(s) \_\_\_\_\_ (Quantity) inches by \_\_\_\_\_ inches in size,

with approximately \_\_\_\_\_ letters of inscription. (quantity)

"Tablet(s) to have \_\_\_\_\_

\_\_\_\_\_ style lettering,

No. \_\_\_\_\_ border type, \_\_\_\_\_

\_\_\_\_\_ surface texture,

\_\_\_\_\_ color and finish,

with \_\_\_\_\_ type mounting

All as manufactured by Oregon Brass Works, 1127 S. E. Tenth Avenue, Portland 14, Oregon.

"Casting quality, detailed hand chasing, chemical oxidation, finishing and protective lacquer coating shall be in strict accordance with the standards of the National Association of Ornamental Metal Manufacturers.

"Tablet manufacturer shall furnish accurate scale detail showing tablet and letter sizes, inscription arrangement, full scale border section, mounting and other complying factors of Specifications for approval [Alternate: Architect or Designer will furnish complete details relating to tablet]."

## How to Order:

When ordering, please specify Bronze or Aluminum; tablet size; letter style; type of border; texture; color and finish; type of mounting. If possible, accompany order with rough sketch showing any special arrangement of letters or other features. Because all names and words will be cast exactly as submitted in your copy, it is essential that they be thoroughly checked for complete accuracy. Upon receipt of a definite order, scale layout sketches will be submitted for approval of spelling and arrangement.

OREGON BRASS WORKS

# Architectural Metalcraft

In producing architectural metalcraft of the finest quality, Oregon Brass Works offers complete plant facilities for cast and fabricated bronze and aluminum. Along with the physical facilities we have expert craftsmen with a rich background of experience and a determination to execute each assignment as perfectly as can be done with human hands. Their finished product adds a final touch of elegance and quality to the building for which it is designed.

Our metallurgists and engineers are available for consultation at any time, and your inquiries are invited.

**Fig. 419**—Bronze baptism gates in the Star of the Sea Church. Architect: William I. Williams.

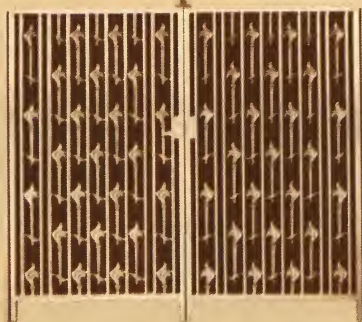


**Fig. 420**—Cast bronze doors for large metropolitan bank. Architects: A. E. Doyle and Associates. Sculptor: Avard Fairbanks.



**Fig. 421**—Decorative doors and grillwork of Holyrood Mausoleum, Seattle. Architect: John W. Maloney.



**Fig. 422**—Ornamental grillwork and directory at a western university. Architect: John W. Maloney.



**Fig. 423**—Communion railing of bronze is used in combination with a top rail of marble. Architect: E. L. Mills & Assoc.



**Fig. 424**—Cast bronze altar gates.



Oregon Brass Works products are distributed only through reliable and qualified representatives in good standing with the Building Industry. They are located in principal cities of the United States and Canada. Write us for the name and address of the nearest representative.



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